

Plot No. 2, Knowledge Park-III, Greater Noida (U.P.) -201306

## POST GRADUATE DIPLOMA IN MANAGEMENT (2023-25) END TERM EXAMINATION (TERM -III)

Subject Name: Total Quality Management Sub. Code : PGO32 Time: **02.00 hrs.** Max Marks: **40** 

Note:

All questions are compulsory. Section A carries 5 marks: 5 questions of 1 mark each, Section B carries 21 marks having 3 questions (with internal choice question in each) of 7 marks each and Section C carries 14 marks one Case Study having 2 questions of 7 marks each.

## Kindly write the all the course outcomes as per your TLEP in the box given below:

**CO1-** Students will be able to Understand theoretical and basic concepts of total quality management. Recognize practices of quality management systems to meet the customers and stakeholders' expectations.

**CO2-** Students will be able to Apply theoretical knowledge in the key decision-making areas and use of International Quality Certification Systems and standards and their applicability in design manufacturing quality control and services.

**CO-3-** Students will be able to Analyze the quality management with mathematical models and IT tools for improving overall business performance.

**CO-4-** Students will be able to enhancing creativity, critical thinking, and analytical ability through developing an integrated approach to TQM.

SECTION - A			
Attempt all questions. All questions are compulsory. $1 \times 5 = 5$ Marks			
Questions	CO	Bloom's Level	
<ul> <li>Q. 1: (A). Does continuous improvement of quality management system involve "Customers"? If Yes/No, how? Describe.</li> <li>Q. 1: (B). What is COPQ? Define.</li> <li>Q. 1: (C). List the parameters involved in Taguchi Loss Function in addition to writing its formula.</li> <li>Q. 1: (D). Demonstrate "Risk mitigation" with respect to TQM scope.</li> <li>Q. 1: (E). Name the parameters involved in safety culture of Total quality management.</li> </ul>	CO1	L1, L2	
SECTION – BAll questions are compulsory (Each question have an internal choice. Attempt any one (either A orB) from the internal choice) $7 \times 3 = 21$ Marks			
Questions	СО	Bloom's Level	
<ul> <li>Q. 2: (A). Why do developing economies need TQM methodologies and the respective implementations? Describe.</li> <li>Or</li> <li>Q. 2: (B). Summarize the various types of audits involved while inspecting enterprises and organizational bodies.</li> </ul>	CO1 & CO2	L2, L3	
Q. 3: (A). Is Kaizen different from innovation? How is Kaizen a "People oriented" approach? Illustrate. Or	CO2 &		
Q. 3: (B). What are the three major elements of Kaizen approach? How are these associated with each other? Illustrate.	CO3	L3, L4	

<b>Q. 4: (A).</b> ABC pvt. Ltd. Produces smart mugs for beverages targeting ideally for a weight of 150 grams per item unit. The auditing team has instructed a tolerance range of 5 grams above or below than the mentioned target weight. If any smart mug is rejected by the auditing unit, this costs 10\$ per rejected item unit to this private limited company. Calculate the estimated loss if any deviation occurs from the pre-defined benchmark. Also, conclude your	CO2	L3, L4, L5
consulting advice accordingly.	&	
Or		
<b>Q. 4: (B).</b> Does achieving "Upper specification(s)" too closely divert any	CO3	
operations team from Nominal value? How is it different from achieving		
"lower specification(s)" in terms of nominal value diversion? Also,		
recommend your methodology for achieving highest customer satisfaction.		

## **SECTION - C**

Read the case and answer the questions

7×02 = 14 Marks

Questions					Bloom's Level
Q. 5: Case Study:					
bars are divertin fragrances, and th year. CEO of the causes of these fa the organization in nature. Also, policies and ben	company conducts failing from its ideal size nus reducing customer e same company asks ailures. Consultant gets and finds that soap mo the company lacks in chmarks. Consultant wo nuse further asking to owing details:	benchmark(s), result satisfaction ratings is consultant to under s in touch with varia- olds are old fashione hiring great expert writes the same to	lting into diverted in the last financial rstand the possible ous departments of ed and not uniform is for standardized CEO via email &		
Parameter	Severance Rating	Occurrence Rating	Detection Rating		
Size Deviation	9	7	5	CO3	
Fragrance Deviation	6	4	3	& CO4	L5, L6
Satisfaction Deviation	5	5	5		
What does it indi <b>Q. 5: (B).</b> How c	ider the above scenari cate? Assess and summ an ISO 9000 and ISO eport highlighting the s	arize. 9001 help this soap	making company?		

## Total marks allocated to each of the COs can be found as:

COs	Marks Allocated
CO1	10 Marks
CO2	10 Marks
CO3	10 Marks
CO4	10 Marks

(CO wise marks allocated as per subject's TLEP)